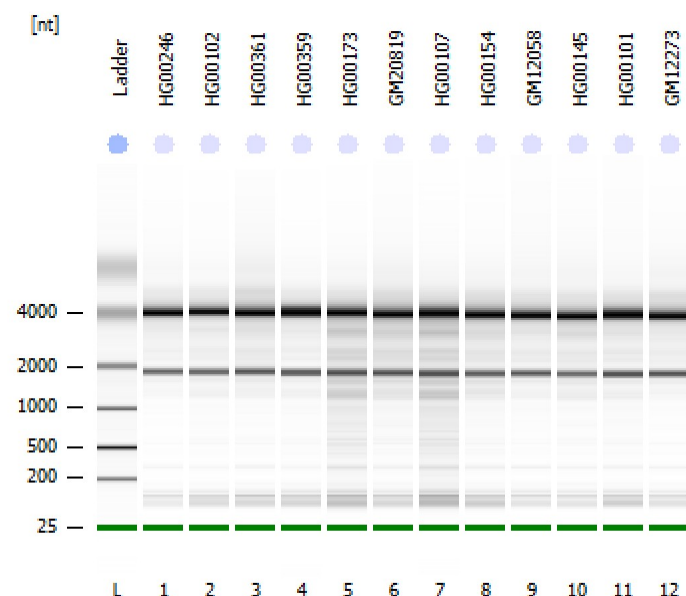


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_16-09-15.xad

Created: 10/13/2011 4:09:14 PM
Modified: 10/13/2011 4:32:21 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537

Firmware: C.01.069

Serial#: DE04105537

Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

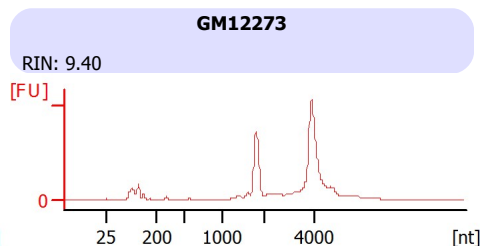
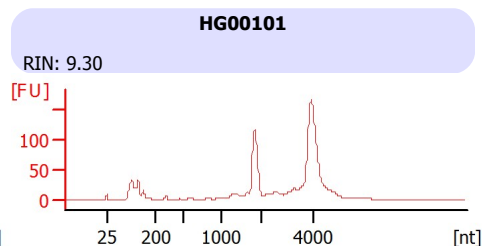
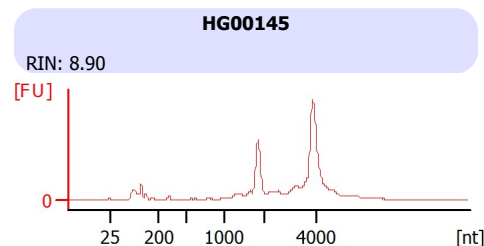
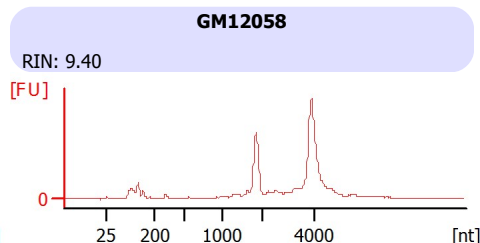
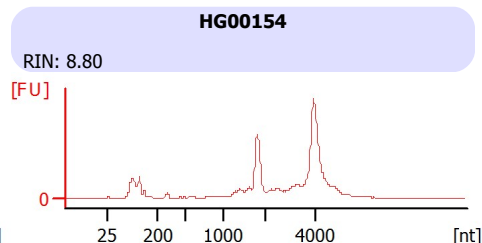
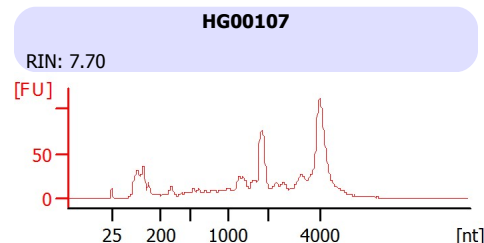
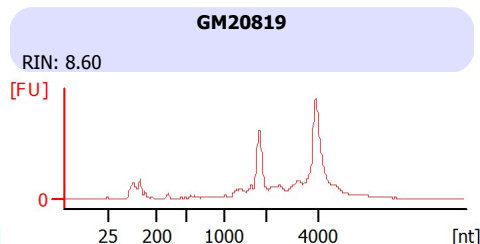
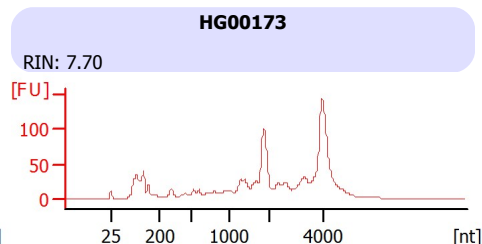
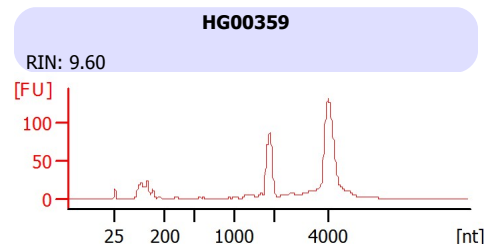
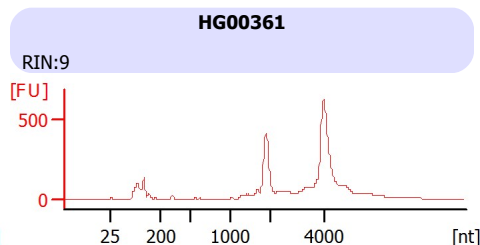
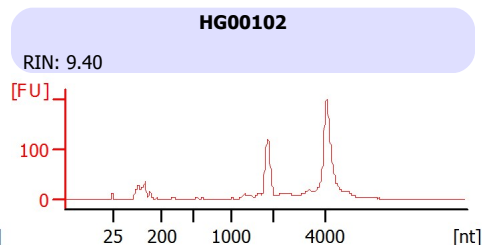
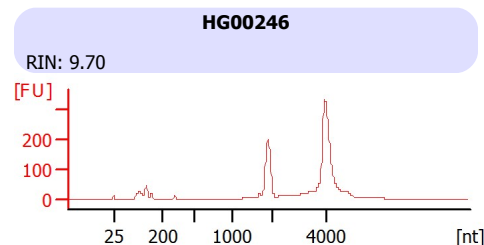
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_16-09-15.xad

Created: 10/13/2011 4:09:14 PM
Modified: 10/13/2011 4:32:21 PM

Electrophoresis File Run Summary (Chip Summary)

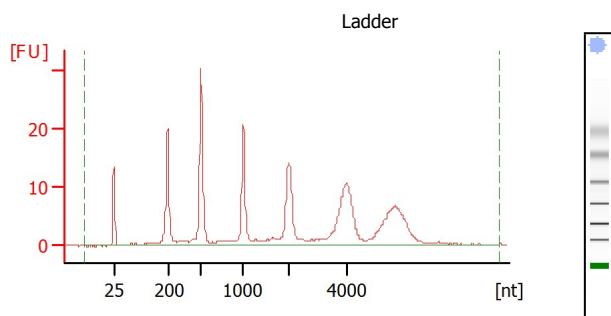
Sample Name	Sample Comment	Status	Result Label	Result Color
HG00246		✓	RIN: 9.70	
HG00102		✓	RIN: 9.40	
HG00361		✓	RIN:9	
HG00359		✓	RIN: 9.60	
HG00173		✓	RIN: 7.70	
GM20819		✓	RIN: 8.60	
HG00107		✓	RIN: 7.70	
HG00154		✓	RIN: 8.80	
GM12058		✓	RIN: 9.40	
HG00145		✓	RIN: 8.90	
HG00101		✓	RIN: 9.30	
GM12273		✓	RIN: 9.40	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_16-09-15.xad

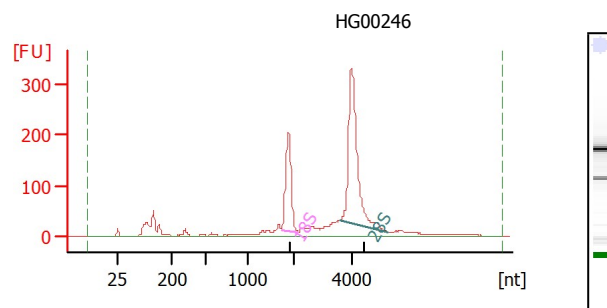
Created: 10/13/2011 4:09:14 PM
 Modified: 10/13/2011 4:32:21 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 237.2
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

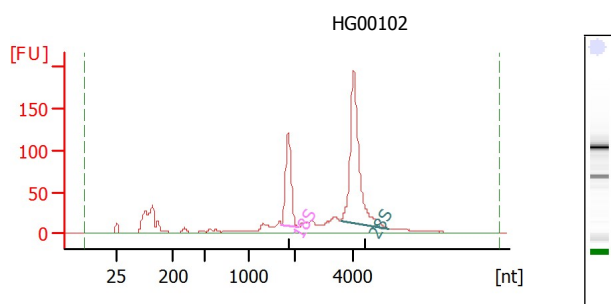


Overall Results for sample 1 : HG00246

RNA Area: 1,953.8
 RNA Concentration: 1,235 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

Fragment table for sample 1 : HG00246

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,717	2,133	332.9	17.0
28S	3,544	5,214	728.7	37.3

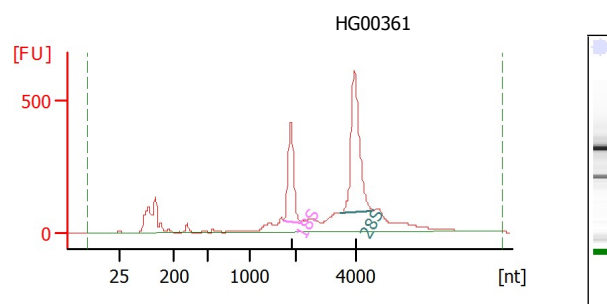


Overall Results for sample 2 : HG00102

RNA Area: 1,281.3
 RNA Concentration: 810 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.4 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.40

Fragment table for sample 2 : HG00102

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,723	2,137	199.4	15.6
28S	3,551	5,235	437.7	34.2



Overall Results for sample 3 : HG00361

RNA Area: 4,792.2
 RNA Concentration: 3,030 ng/μl
 rRNA Ratio [28s / 18s]: 1.8
 RNA Integrity Number (RIN): 9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9

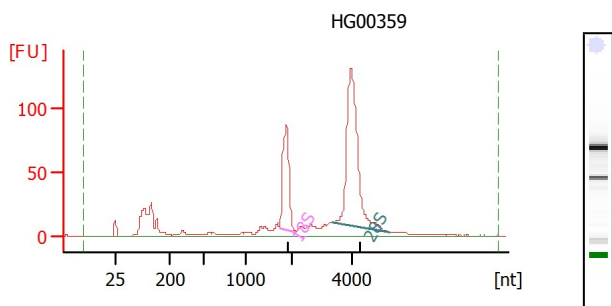
Fragment table for sample 3 : HG00361

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,721	2,165	666.5	13.9
28S	3,481	4,597	1,194.9	24.9

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_16-09-15.xad

Created: 10/13/2011 4:09:14 PM
 Modified: 10/13/2011 4:32:21 PM

Electropherogram Summary Continued ...

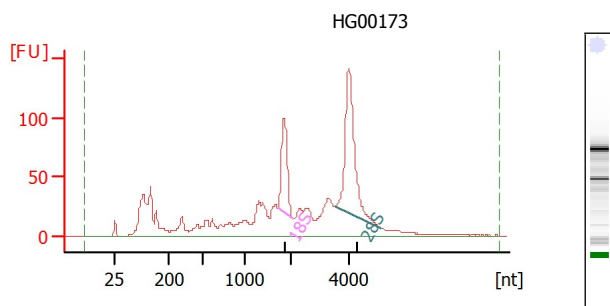


Overall Results for sample 4 : HG00359

RNA Area: 946.5
 RNA Concentration: 599 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 4 : HG00359

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,712	2,122	159.8	16.9
28S	3,352	5,298	358.0	37.8

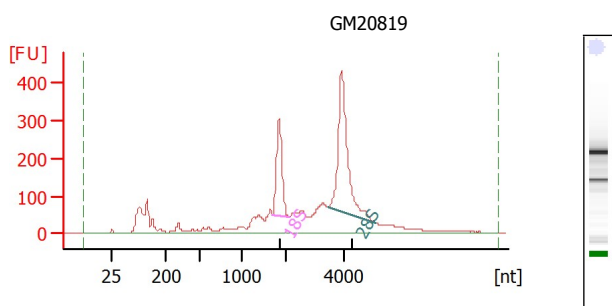


Overall Results for sample 5 : HG00173

RNA Area: 1,647.9
 RNA Concentration: 1,042 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 7.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.70

Fragment table for sample 5 : HG00173

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,708	2,047	145.6	8.8
28S	3,515	5,099	309.8	18.8

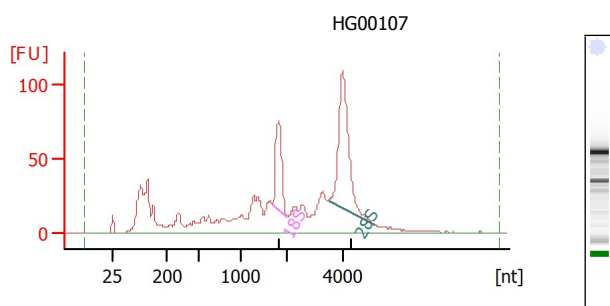


Overall Results for sample 6 : GM20819

RNA Area: 3,995.2
 RNA Concentration: 2,526 ng/μl
 rRNA Ratio [28s / 18s]: 2.1
 RNA Integrity Number (RIN): 8.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.60

Fragment table for sample 6 : GM20819

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,700	2,099	462.8	11.6
28S	3,423	5,126	983.2	24.6



Overall Results for sample 7 : HG00107

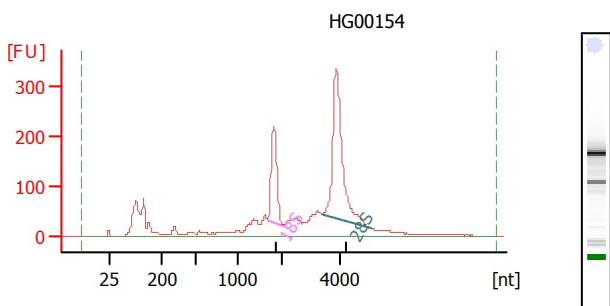
RNA Area: 1,404.9
 RNA Concentration: 888 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 7.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 7.70

Fragment table for sample 7 : HG00107

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,699	2,010	119.8	8.5
28S	3,454	5,088	262.1	18.7

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_16-09-15.xad

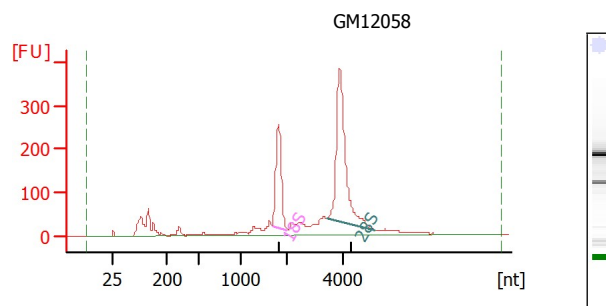
Created: 10/13/2011 4:09:14 PM
Modified: 10/13/2011 4:32:21 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : HG00154**

RNA Area: 2,873.3
RNA Concentration: 1,817 ng/μl
rRNA Ratio [28s / 18s]: 2.3
RNA Integrity Number (RIN): 8.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.80

Fragment table for sample 8 : HG00154

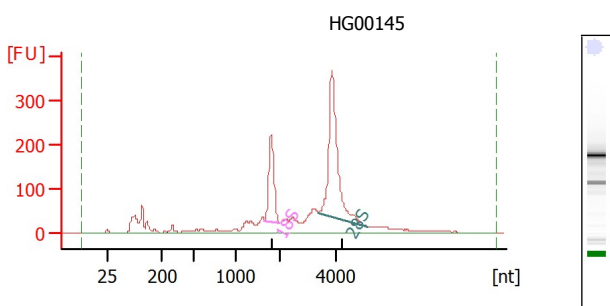
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,686	2,066	346.5	12.1
28S	3,429	5,128	790.8	27.5

**Overall Results for sample 9 : GM12058**

RNA Area: 2,657.5
RNA Concentration: 1,680 ng/μl
rRNA Ratio [28s / 18s]: 2.1
RNA Integrity Number (RIN): 9.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.40

Fragment table for sample 9 : GM12058

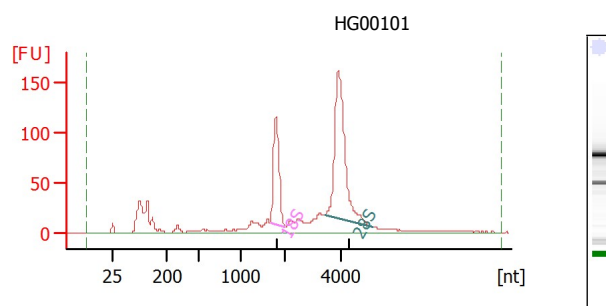
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,685	2,065	414.2	15.6
28S	3,460	5,104	867.9	32.7

**Overall Results for sample 10 : HG00145**

RNA Area: 2,724.9
RNA Concentration: 1,723 ng/μl
rRNA Ratio [28s / 18s]: 2.3
RNA Integrity Number (RIN): 8.9 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 8.90

Fragment table for sample 10 : HG00145

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,672	2,033	337.4	12.4
28S	3,375	5,101	785.2	28.8

**Overall Results for sample 11 : HG00101**

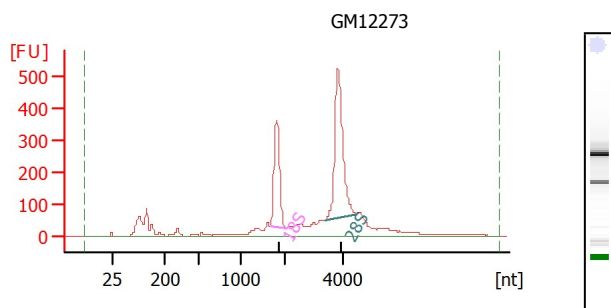
RNA Area: 1,316.6
RNA Concentration: 833 ng/μl
rRNA Ratio [28s / 18s]: 2.1
RNA Integrity Number (RIN): 9.3 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.30

Fragment table for sample 11 : HG00101

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,681	2,047	198.0	15.0
28S	3,404	5,101	422.7	32.1

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-13_16-09-15.xad

Created: 10/13/2011 4:09:14 PM
Modified: 10/13/2011 4:32:21 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : GM12273**

RNA Area: 3,667.2
RNA Concentration: 2,319 ng/μl
rRNA Ratio [28s / 18s]: 1.7
RNA Integrity Number (RIN): 9.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.40

Fragment table for sample 12 : GM12273

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,677	2,051	608.2	16.6
28S	3,399	4,513	1,037.9	28.3